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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/645,107	08/21/2003	Kuo-Ming Wu	251316-1220	7271
24504 7590 03/19/2007 THOMAS, KAYDEN, HORSTEMEYER & RISLEY, LLP			EXAMINER	
100 GALLERIA PARKWAY, NW STE 1750 ATLANTA, GA 30339-5948			CORRIELUS, JEAN B	
			ART UNIT	PAPER NUMBER
			2611	
		20.0		
SHORTENED STATUTOR	Y PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE	
2 MONTHS		03/19/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

		S				
	Application No.	Applicant(s)				
	10/645,107	WU ET AL.				
Office Action Summary	Examiner	Art Unit				
	Jean B. Corrielus	2611				
The MAILING DATE of this communication ap	ppears on the cover sheet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING I - Extensions of time may be available under the provisions of 37 CFR 1 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statu Any reply received by the Office later than three months after the maili earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICATION 1.136(a). In no event, however, may a reply be tirr d will apply and will expire SIX (6) MONTHS from the, cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 03 I	February 2007.					
2a) This action is FINAL . 2b) This						
	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims						
4) ☐ Claim(s) 1-24 is/are pending in the application 4a) Of the above claim(s) is/are withdra 5) ☐ Claim(s) 1-24 is/are allowed. 6) ☐ Claim(s) is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/	awn from consideration.					
Application Papers						
9) The specification is objected to by the Examiner.						
10)⊠ The drawing(s) filed on <u>22 August 2003</u> is/are	•	•				
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: Certified copies of the priority documents have been received. Certified copies of the priority documents have been received in Application No Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
Attachment(s)						
1) Notice of References Cited (PTO-892)	4) Interview Summary	(PTO-413)				
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Da	nte				
Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	5) Notice of Informal Pa	atent Application				

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DETAILED ACTION

Claim Objections

1. The disclosure is objected to because of the following informalities: the specification page 15, line 30-page 16, line 5, teaches a **software stored in the personal computer is used to compute parameters** required by the correction module 31 based on the data W (fT), W (-fT) and L. The specification further teaches that the **software stored in the personal computer performs a different process from the prior art**. However, is it noted that such a software is not disclosed in the specification.

Page 15, line 17, "spectrum" is mistyped as "specturm".

Appropriate correction is required.

Drawings

- 2. The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the second "D/A converter" as recited for instance in claim 13, must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.
- 3. The drawings are objected to under 37 CFR 1.83(a) because they fail to show the second "D/a" as described in the specification, see for instance page 15, lines 6 and page 16, line 23. In addition, fig. 3B, S8, "obtaining" is mistyped as "btaining". Any structural detail that is essential for a proper understanding of the disclosed invention should be shown in the drawing. MPEP § 608.02(d). Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid

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abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

4. This application is in condition for allowance except for the formal matters noted above.

Prosecution on the merits is closed in accordance with the practice under *Ex* parte Quayle, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO**MONTHS from the mailing date of this letter.

Response to Amendment

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5. Applicant's response has overcome the objection to claims 1-24. However, after further consideration, the drawing and the specifications are objected to as set forth above.

Allowable Subject Matter

- 6. Claims 1-24 are allowed.
- 7. The following is a statement of reasons for the indication of allowable subject matter: A method and apparatus for I/Q mismatch calibration are disclosed. The closest prior art Wynn, US Patent No. 6,009,317, discloses similar method and apparatus. However, Wynn, does not teach or fairly suggest, in combination with the other limitations, the limitations recited in claim 1, lines 12-38 and similar limitations recited in claim 13.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jean B. Corrielus whose telephone number is 571-272-3020. The examiner can normally be reached on M-TH from 10:00AM until 4:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jay Patel can be reached on 571-272-2988. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Primary Examiner

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3-15-07

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